

ANTIBACTERIAL POWDER COATING COMPOSITION AND PRODUCTION THEREOF

Patent number: JP8217998
Publication date: 1996-08-27
Inventor: ONISHI KAZUHIKO; YAMADA TOMOO; SUGISHIMA MASAMI
Applicant: KANSAI PAINT CO LTD
Classification:
- international: C09D5/03; C09D5/03; A01N25/10; A01N25/34; A01N43/40; A01N59/16; C09D5/14; C09D7/12
- european:
Application number: JP19950026622 19950215
Priority number(s): JP19950026622 19950215

[Report a data error here](#)

Abstract of JP8217998

PURPOSE: To obtain a powder coating composition having excellent antibacterial properties and almost free from discoloration of a coating material and film due to silver ions by blending a powdery thermosetting resin with an inorganic antibacterial agent carrying silver ions and a specified organic antibacterial agent. **CONSTITUTION:** This composition is obtained by blending a powdery thermosetting resin with an inorganic antibacterial agent carrying silver ions and a bis(pyridine-2-thiol-1-oxide)zinc salt. An example of a preferable powdery thermosetting resin is one composed mainly of at least one resin selected from epoxy, acrylic and polyester resins. A preferable process for producing this composition comprises immobilizing an inorganic antibacterial agent carrying silver ions and/or a bis(pyridine-2-thiol-1-oxide)zinc salt on the surface of powdery thermosetting resin particles by, for example, an impact blow means since the immobilized substances are firmly fixed by the process.

Data supplied from the **esp@cenet** database - Worldwide